



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/590,769

06/08/2007

Heinz-Werner Pfeiffer

10191/4286

2496

26646 7590 06/22/2011

KENYON & KENYON LLP
ONE BROADWAY
NEW YORK, NY 10004

EXAMINER

CHOW, YUK

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

06/22/2011

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/590,769	Applicant(s) PFEIFFER ET AL.	
	Examiner YUK CHOW	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 April 2011.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 7-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toffolo et al (US 5,757,268) in view of Lekutai (US 7,503,001).

As to **claim 7**, Toffolo discloses a method for outputting text information to a driver of a vehicle via a display unit of a driver information system located inside the vehicle, the display unit having a predetermined display capacity, the method comprising:

providing text information (Fig. 7A(62, 74)) to be output to the driver of the vehicle via the display unit of the driver information system located inside the vehicle (see Fig. 1A, display 22 is located inside the vehicle), wherein the text information includes at least one information element, the at least one information element being divided into at least two component fields (Fig. 7A(62, 74) are two fields);

adapting the text information to be output to the driver of the vehicle via the display unit of the driver information located inside the vehicle, depending on the predetermined display capacity of the display unit of the driver information system located inside the vehicle (see Abstract);

However, Toffolo disclosure does not teach information prefix or suffix having a predetermined abbreviated equivalent.

Lekutai discloses a text abbreviation method messaging system wherein teaches the component fields include at least an information body and at least one of an information prefix (Fig. 1D(RST)) and an information suffix (Fig. 1D(NR) of the information element, and wherein at least one of the information body, information prefix and information suffix having an a predetermined abbreviated equivalent (Fig. 1D(RST) is a abbreviated equivalent of RESTAURANT)

wherein text information outputted on the display unit includes one-of:

- a) full representation of the at least one information element if the predetermined display is sufficient for the full representation (Fig. 1C); and
- b) the abbreviated equivalent of the at least one of the information body, information prefix and information suffix if predetermined capacity is insufficient for full representation of the at least one information element (see Fig. 1D and Col. 5 line 47-Col. 6 line 9).

Toffolo contains a “base” of process of a vehicle reconfigurable display includes the step of prioritizing information which the claimed invention can be seen as “improvement” in that by displaying an abbreviated equivalent of a message.

Lekutai contains known technique of displaying information in component fields include prefix and suffix in an abbreviated form, which is applicable to the “base” process.

Lekutai's known technique of displaying a abbreviated message would have been recognized by one skill in the art as applicable to the "base" process of Toffolo and results would have been predictable and resulted in readability without using a bigger display area which is an improved process.

Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

As to **claim 8**, Toffolo and Lekutai disclose the method as recited in Claim 7, wherein the text information to be output includes a plurality of information elements, and wherein for each information element, outputting one of:

a) full representation of the information element if the predetermined display is sufficient for the full representation (Lekutai Fig. 1C); and

b) the abbreviated equivalent of the at least one of the information body, information prefix and information suffix if the predetermined capacity is insufficient for full representation of the at least one information element (see Fig. 1D and Col. 5 line 47-Col. 6 line 9).

As to **claim 9**, Toffolo and Lekutai disclose the method as recited in Claim 8, wherein each component of information element is displayed on a separate line of the display unit (See Toffolo Col. 3 lines 18-30).

As to **claim 10**, Toffolo and Lekutai disclose the method as recited in Claim 7, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (see Lekutai Fig. 1D(178)).

As to **claim 11**, Toffolo and Lekutai disclose the method as recited in Claim 8, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (see Lekutai Fig. 1D(178)).

As to **claim 12**, Toffolo and Lekutai disclose the method as recited in Claim 9, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (see Lekutai Fig. 1D(178)).

As to **claim 13**, Toffolo and Lekutai disclose the method as recited in Claim 7, wherein each of the information body, information prefix and information suffix having an abbreviated equivalent, and wherein the text information to be outputted is adapted hierarchically, whereby outputting of full representation the information body is given highest priority (See Toffolo Col. 1 lines 46-58).

Regarding **claim 14**, limitations in this apparatus claim are similar to method claim 1, therefore same rejection applies.

Response to Arguments

3. Applicant's arguments filed 04/11/2011 have been fully considered but they are not persuasive.

Regarding independent claims 7 and 14, applicant argues that display fields 62 and 74 shown in Fig. 7A of Toffolo are not equivalent to the claimed “***two component fields***”, wherein the text information includes at least one information element, the at least one information element being divided into at least two component fields.”

However, examiner respectfully disagrees. In accordance with MPEP, "USPTO personnel are **to give claims their broadest reasonable interpretation** in light of the supporting disclosure. In re Morris, 127 F.3d 1048, 1054-55, 44 USPQ2d 1023, 1027-28 (Fed Cir. 1997). **Limitations appearing in the specification but not recited in the claim should not be read into the claim.** E-Pass Techs., Inc. v. 3Com Corp., 343 F.3d 1364, 1369, 67 USPQ2d 1947, 1950 (Fed. Cir. 2003)" (MPEP §2106, emphasis added). Since display fields 62 and 74 of Toffolo contains text information and they are located within one instrument display panel 70, it's reasonable to read on claimed invention: **"one information element being divided into at least two component fields".**

Applicant further argues that Fig. 1D(RST)) and (NR) of Lekutai does not teach suggest the claimed **"information prefix"** and **"information suffix"**. Examiner disagrees. Examiner's interpretation of prefix and suffix is based on basic definition of "prefix" and "suffix", according to Merriam Webster dictionary, it simply means to place in front and after of a main body. In the case of Lekutai, RST can be read as prefix of "PINE ST" since it was placed in front of main body information "PINE ST" and NR is a suffix to it.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Art Unit: 2629

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YUK CHOW whose telephone number is (571)270-1544. The examiner can normally be reached on 8-6 M-TH E.T..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quan-Zhen Wang can be reached on (571) 272-3114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2629

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Y. C./

Examiner, Art Unit 2629

/Quan-Zhen Wang/

Supervisory Patent Examiner, Art Unit 2629